

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	110	tanaka-kazushi-.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:25
L2	54	tanaka-kazushi-.in.	US-PGPUB; USPAT	OR	ON	2007/05/10 15:35
L3	59	usami-mamoru-.in.	US-PGPUB; USPAT	OR	ON	2007/05/10 15:36
L4	50	3 not 2	US-PGPUB; USPAT	OR	ON	2007/05/10 15:39
L5	22	yoneyama-kenji-.in.	US-PGPUB; USPAT	OR	ON	2007/05/10 15:40
S1	2907	(250/492.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/10 15:24
S2	1507	S1 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:47
S3	111	S2 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:48
S4	10	S3 and (disc or disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:48
S5	215128	electron adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:46

## EAST Search History

S6	24978	S5 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:46
S7	4829	S6 and (disc or disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:47
S8	2059	S7 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 17:47
S9	885	S8 and intensity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:50
S10	498	S9 and irradiation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:50
S11	143	S10 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:57
S12	305	S1 and (electron with intensity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:57
S13	13	S11 and (electron with intensity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 15:57
S14	3	("20010028456"   "6614037"   "6686597").PN. OR ("7193956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 16:09

## EAST Search History

S15	2907	(250/492.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/07 17:47
S16	1507	S15 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:13
S17	111	S16 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:13
S18	26	S17 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:05
S19	85	S17 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:04
S20	2410	(250/492.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 15:22
S21	221	S20 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:05
S22	84	S21 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:17

## EAST Search History

S23	66	S22 and intensity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:12
S24	57867	(disk or disc) and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:11
S25	22324	S24 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:12
S26	4399	S25 and intensity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:13
S27	1964	S26 and electrons	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:14
S28	1493	S27 and beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:16
S29	1344	S26 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:17
S30	1153	S29 and (speed or velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:18

## EAST Search History

S31	871	S30 and uniform\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:18
S32	1448286	"18" and inner and outer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:19
S33	600	S31 and inner and outer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:20
S34	311	S33 and (CD or dvd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 18:20
S35	307	S34 and layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:13
S36	1529	(369/284).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/07 19:13
S37	96	S36 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:13
S38	34	S37 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:16

## EAST Search History

S39	198	S36 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:16
S40	127	S39 and (rotate or rotating or rotates or rotated or spin or spinning or spun)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:17
S41	23	S40 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/07 19:18
S42	215203	electron adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:54
S43	24996	S42 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:31
S44	4830	S43 and (disc or disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:54
S45	2059	S44 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:54
S46	885	S45 and intensity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:54

## EAST Search History

S47	498	S46 and irradiation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:54
S48	143	S47 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:54
S49	38	S48 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 14:39
S50	3	("20010028456"   "6614037"   "6686597").PN. OR ("7193956"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 14:11
S51	75	S47 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 14:57
S52	37	S51 not S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 14:57
S53	0	("s2andshutter").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 15:22
S54	2909	(250/492.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 15:22
S55	1509	S54 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:22

## EAST Search History

S56	37	S55 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:32
S57	1530	(369/284).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 15:30
S58	96	S57 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:31
S59	34	S58 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:32
S60	0	S59 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:32
S61	13	("2925496"   "3144552"   "3360648").PN. OR ("3916204"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 15:43
S62	64	(428/844.6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 16:10
S63	52	S62 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:10
S64	1048	((427/487) or (427/496) or (427/502)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 16:47



## EAST Search History

S65	485	S64 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:47
S66	332	S65 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:48
S67	59	S66 and (disc or disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 16:48
S68	10	("4126726"   "4273802"   "4363844"   "4367245").PN. OR ("4522846"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 16:57
S69	215203	electron adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:13
S70	24996	S69 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:13
S71	4830	S70 and (disc or disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:13
S72	2059	S71 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:13
S73	1829	S72 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:13

## EAST Search History

S74	2909	(250/492.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 17:14
S75	2	S73 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:15
S76	64	(428/844.6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 17:15
S77	1	S73 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:17
S78	1048	((427/487) or (427/496) or (427/502)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 17:17
S79	8	S73 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:21
S80	1530	(369/284).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 17:21
S81	17	S73 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:42

## EAST Search History

S82	215203	electron adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:43
S83	24996	S82 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:43
S84	911	S83 and (oxygen with concentration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:44
S85	854	S84 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:44
S86	357	S85 and (inert adj gas)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:45
S87	140	S86 and (flow adj rate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 17:45
S88	660	(369/112.01).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 20:00
S89	36	S88 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:01

## EAST Search History

S90	1	S89 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:21
S91	215203	electron adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:03
S92	24996	S91 and (cure or curing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:03
S93	4830	S92 and (disc or disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:03
S94	2059	S93 and (rotate or rotating or rotates or rotated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:03
S95	183	S94 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:04
S96	46	S95 and blank\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:07
S97	137	S95 not S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:07
S98	3	("20010028456"   "6614037"   "6686597").PN. OR ("7193956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 20:20

## EAST Search History

S99	256	(369/117).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 20:20
S10 0	2	S99 and (electron adj beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/09 20:21
S10 1	3	("20010028456"   "6614037"   "6686597").PN. OR ("7193956"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 20:23
S10 2	13	("2925496"   "3144552"   "3360648").PN. OR ("3916204"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 09:30
S10 3	215332	electron adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:38
S10 4	45	S103 and (beam adj blanking) and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:46
S10 5	17	S103 and (beam adj blanker) and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:46